

GenCore version 4.5  
Copyright (c) 1993 - 2000 Compugen Ltd.

Om protein - protein search, using sw model  
Run on: September 4, 2002, 14:04:21 ; Search time 99.82 Seconds  
Sequence: (without alignments)  
(114.763 Million cell) updates/sec

Title: US-09-052-089A-1  
Perfect score: 2384  
Sequence: 1 MPTIRALCTICSDDFFDHSDRV..... VRVKTVPSLFOAKLDTFLWS 469  
Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5  
Searched: 231628 seqs, 2442594 residues  
Total number of hits satisfying chosen parameters: 231628  
Minimum DB seq length: 0  
Maximum DB seq length: 2000000000  
Post-processing: Minimum Match 0%, Maximum Match 100%  
Listing first 45 summaries

Database : Issued\_Patents\_AA:\*

1: /cgn2\_6/ptodata/2/iaa/5A\_COMB\_pep:\*

2: /cgn2\_6/ptodata/2/iaa/5B\_COMB\_pep:\*

3: /cgn2\_6/ptodata/2/iaa/6A\_COMB\_pep:\*

4: /cgn2\_6/ptodata/2/iaa/6B\_COMB\_pep:\*

5: /cgn2\_6/ptodata/2/iaa/PCIUS\_COMB\_pep:\*

6: /cgn2\_6/ptodata/2/iaa/backfiles1.pep:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

RESULTS

8

| Result No. | Score  | Query Length | DB ID | Description        |
|------------|--------|--------------|-------|--------------------|
| 1          | 2384   | 100.0        | 469   | 4 US-09-052-089A-1 |
| 2          | 2357   | 98.9         | 469   | 2 US-08-968-751-2  |
| 3          | 1798.5 | 75.4         | 470   | 4 US-09-052-089A-2 |
| 4          | 1066   | 44.7         | 220   | 4 US-09-052-089A-3 |
| 5          | 906    | 38.0         | 220   | 4 US-09-032-089A-4 |
| 6          | 275    | 11.5         | 51    | 4 US-09-052-089A-5 |
| 7          | 272    | 11.4         | 51    | 4 US-09-052-089A-6 |
| 8          | 168.5  | 7.1          | 4     | US-08-935-475-6    |
| 9          | 158    | 6.6          | 2482  | 1 US-08-228-254-6  |
| 10         | 158    | 6.6          | 3248  | 1 US-08-353-700-1  |
| 11         | 158    | 6.6          | 3248  | 5 PCT-US91-16261-1 |
| 12         | 157    | 6.6          | 756   | 4 US-09-035-199B-9 |
| 13         | 156    | 6.5          | 976   | 4 US-09-104-324B-4 |
| 14         | 156    | 6.5          | 1939  | 4 US-09-310-187A-1 |
| 15         | 154    | 6.5          | 1886  | 4 US-08-938-103-3  |
| 16         | 152    | 6.4          | 2101  | 1 US-08-456-390-4  |
| 17         | 152    | 6.4          | 2101  | 1 US-08-410-950-4  |
| 18         | 152    | 6.4          | 2101  | 1 US-08-467-783-4  |
| 19         | 152    | 6.4          | 2101  | 1 US-08-195-487-4  |
| 20         | 152    | 6.4          | 2101  | 2 US-08-433-924-4  |
| 21         | 152    | 6.4          | 2101  | 4 US-09-452-294-1  |
| 22         | 152    | 6.4          | 2101  | 5 PCT-US93-0610-4  |
| 23         | 149    | 6.2          | 896   | 1 US-08-035-737-2  |
| 24         | 149    | 6.2          | 896   | 1 US-08-430-143-2  |
| 25         | 149    | 6.2          | 896   | 2 US-08-477-389-2  |
| 26         | 149    | 6.2          | 1093  | 5 PCT-US91-03077-1 |
| 27         | 148.5  | 6.2          | 1312  | 2 US-08-687-080-51 |

SUMMARIES

ALIGNMENTS

RESULT 1  
US-09-052-089A-1  
; Sequence 1, Application US/09052089A  
; Patent No. 6346605  
GENERAL INFORMATION:  
; APPLICANT: Lee, Soo Y.  
; TITLE OF INVENTION: SIGNAL TRANSDUCER FOR THE TNF RECEPTOR SUPER  
; FAMILY, AND USES THEREOF  
; NUMBER OF SEQUENCES: 16  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: David A. Jackson, Esq.  
; STREET: 411 Hackensack Ave, Continental Plaza, 4th  
; FLOOR:  
; CITY: Hackensack  
; STATE: New Jersey  
; COUNTRY: USA  
; ZIP: 07601  
COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patent Release #1.0, version #1.30  
CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/052,089A  
; FILING DATE: 31-Mar-1998  
; CLASSIFICATION: <Unknown>  
ATTORNEY/AGENT INFORMATION:  
; NAME: Jackson Esq., David A.  
; REGISTRATION NUMBER: 26,742  
; REFERENCE/DOCKET NUMBER: 600-1-198 CIP 1  
TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 201-487-5800  
; TELEFAX: 201-343-1684  
; INFORMATION FOR SEQ ID NO: 1:  
SEQUENCE CHARACTERISTICS:  
; LENGTH: 469 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: Linear  
MOLECULE TYPE: protein  
HYPOTHETICAL: NO  
FRAGMENT TYPE: <Unknown>  
ORIGINAL SOURCE:  
; ORGANISM: Homo sapiens  
SEQUENCE DESCRIPTION: SEQ ID NO: 1:  
; US-09-052-089A-1

Query Match 100.0%; Score 2384; DB 4; Length 469;

Best Local Similarity 100.0%; Pred. No. 1.1e-196; Mismatches 0; Indels 0; Gaps 0; Matches 469; Conservative 0; Topology: linear; Molecule Type: protein

QY 1 MPRALCTICSPFPDHSDYAAIHCGHTFHQLQIHFETAPSRCTQCROWGKRIN 60  
 Db 1 MPRALCTICSDFFDHSRVAIAHCGHTFHQLQIHFETAPSRCTQCROWGKRIN 60

QY 61 KLFDFLQEEENVLDRFLNEIDNVRQLSOKDKERDSQVITDITLDRLEERNATVS 120  
 Db 61 KLFDFLQEEENVLDRFLNEIDNVRQLSOKDKERDSQVITDITLDRLEERNATVS 120

QY 121 LQALGKRAEMLCSTLKKOMKYLEQQDETQKQPEAERLRSKMTMPIOIELLQSLPEV 180  
 Db 121 LQALGKRAEMLCSTLKKOMKYLEQQDETQKQPEAERLRSKMTMPIOIELLQSLPEV 180

QY 181 EEMIRDGVGQSVQEQLAVYCISLKKKEYENIKEARKASGEVADKLRLDFSSRSKLTYY 240  
 Db 181 EEMIRDGVGQSVQEQLAVYCISLKKKEYENIKEARKASGEVADKLRLDFSSRSKLTYY 240

QY 241 SELDOAKLELSOKDLSADEKIMSLLKLTMLQETNLNLPVASETDVLVLESAPVE 300  
 Db 241 SELDOAKLELSOKDLSADEKIMSLLKLTMLQETNLNLPVASETDVLVLESAPVE 300

QY 301 VNLKLRPSFRDDIDNATEVDUTPAPRSPSSQHGYEKLCLEKSHSPIODVKKICKGP 360  
 Db 301 VNLKLRPSFRDDIDNATEVDUTPAPRSPSSQHGYEKLCLEKSHSPIODVKKICKGP 360

QY 361 RKEQLSLGGQSCAGEDEELVGAFFPFLRNAILGOKQPRRSESSCSKDVVRGFDGL 420  
 Db 361 RKEQLSLGGQSCAGEDEELVGAFFPFLRNAILGOKQPRRSESSCSKDVVRGFDGL 420

RESULT 2  
 US-09-968-751-2  
 Sequence 2, Application US/08968751

Patent No. 594643

GENERAL INFORMATION:

APPLICANT: Rubinfield, Bonnee

APPLICANT: Polakis, Paul G.

APPLICANT: Ligenerfeler, Carol

APPLICANT: Vuong, Terilyn T.

TITLE OF INVENTION: MODULATORS OF BRCA1 ACTIVITY

NUMBER OF SEQUENCES: 6

CORRESPONDENCE ADDRESS:

ADDRESSEE: ONX Pharmaceuticals, Inc.

STREET: 3031 Research Drive

CITY: Richmond

STATE: CA

COUNTRY: USA

ZIP: 94806

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/968,751

FILING DATE: 07/01/2001

CLASSIFICATION: 435

ATTORNEY/AGENT INFORMATION:

NAME: Giotta, Gregory

REGISTRATION NUMBER: 32,028

REFERENCE/DOCKET NUMBER: ONX1024 GG

TELECOMMUNICATION INFORMATION:

TELEPHONE: (510) 262-8710

TELEFAX: (510) 222-9758

SEQUENCE FOR SEQ ID NO: 2:

SEQUENCE CHARACTERISTICS:

LENGTH: 469 amino acids

RESULT 3  
 US-09-052-089a-2  
 Sequence 2, Application US/09052089A

Patent No. 6316605

GENERAL INFORMATION:

APPLICANT: Lee, Soo Y.

TITLE OF INVENTION: SIGNAL TRANSDUCER FOR THE TNF RECEPTOR SUPER FAMILY, AND USES THEREOF

NUMBER OF SEQUENCES: 16

CORRESPONDENCE ADDRESS:

ADDRESSEE: David A. Jackson, Esq.

STREET: 411 Hackensack Ave, Continental Plaza, 4th Floor

CITY: Hackensack

STATE: New Jersey

COUNTRY: USA

ZIP: 07601

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/052, 089A

FILING DATE: 31-Mar-1998

CLASSIFICATION: <Unknown>

ATTORNEY/AGENT INFORMATION:

NAME: Jackson, Esq., David A.

REGISTRATION NUMBER: 26,742

REFERENCE/DOCKET NUMBER: 600-1-198 CIP 1  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 201-347-5800  
TELEFAX: 201-343-1684

INFORMATION FOR SEQ ID NO: 2:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 470 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
HYPOTHETICAL: NO  
FRAGMENT TYPE: <Unknown>  
ORIGINAL SOURCE:  
ORGANISM: mouse

SEQUENCE DESCRIPTION: SEQ ID NO: 2:  
US-09-052-089a-2

Query Match 75.4%; Score 1798.5; DB 4; Length 470;  
Best Local Similarity 76.9%; Pred. No. 2e-146; Mismatches 66; Indels 1; Gaps 1;  
Matches 360; Conservative 41; MisMatches 66; Indels 1; Gaps 1;

QY 1 MPTRALACTICSDPDFHSRDAVAAIHCIGHNPHQCLIOSEFETASRSRTCPOCRIOWGKRITIN 60  
||| :|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:  
1 MPLSLCITCSDFDHSRDAVAAIHCIGHNPHQCLIOSEFETASRSRTCPOCRIOWGKRITIN 60

QY 61 KPFDFLQEEENLDRFLKNEDNVRQLSKDKERDSQVITDTURDTLERNATWV 120  
|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:  
61 KPFDFLQEEENLDRFLKNEDNVRQLSKDKERDSQVITDTURDTLERNATWV 120

QY 121 LQOALGKAEMLCSTLKKOMYLEQQDETQKQAEAGRLSKMTMEOIELLIQSLPEV 180  
|||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:  
Db 121 LQOALNKAEMLCSLTKKKMFLERQDPTQKQAEAGRLSKMTMEOIELLIQSLPEV 180

QY 181 EENIRDMGVGQSAVEQLAIVCYSVLSKKEYENLKERKASGEVADKLKDLFSSRSRKLTVY 240  
|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:  
181 EENIRDMGVGQSAVEQLAIVCYSVLSKKEYENLKERKASGEVADKLKDLFSSRSRKLTVY 240

QY 241 SEDQAKLKLQSKDQSADEKIMSLLKLMQETNLNPPVASETDRVLYESPAVE 300  
|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:  
241 SEDQAKLKLQSKDQSADEKIMSLLKLMQETNLNPPVASETDRVLYESPAVE 300

QY 301 -VNUKLRLRSPFDIDLNATEDVDTTPARPPSSQHGYKEKLEKSHPIQDVKICKG 359  
:|||||:|||||:|||||:|||||:|||||:|||||:  
301 MMNPRLHOPPGEDIDENTDFTNPPTQTSQSSQHCPIKKLCLERANSPMONTLKVHV 360

QY 360 PREGSLSIGGCGCAGERDEELVGAPEFTVRNAILGQKQPRRSSESSCSKDVWRTGFDG 419  
:|||||:|||||:|||||:|||||:|||||:  
361 SKPESQSLGQGQRCVGEDEELAGAFLPFLIRNAVLGQKOPNRNTAESRSSTDWVRIGFDG 420

QY 420 LSGRTKETOPTDPMIRPLPVKTKYKORVYKTVSLFQRLDTEL 467  
|||||:|||||:|||||:  
421 LGRTKETOPTDPMIRPLPVKTKYKORVYKTVSLFQRLDTEL 468

RESULT 4  
US-09-052-089a-3

SEQUENCE DESCRIPTION: SEQ ID NO: 3:  
US-09-052-089a-2

Query Match 44.7%; Score 1066; DB 4; Length 220;  
Best Local Similarity 100.0%; Pred. No. 5 2e-84; Mismatches 0; Indels 0; Gaps 0;  
Matches 220; Conservative 0; MisMatches 0; Indels 0; Gaps 0;

SEQUENCE DESCRIPTION: SEQ ID NO: 3:  
US-09-052-089a-3

Query Match 44.7%; Score 1066; DB 4; Length 220;  
Best Local Similarity 100.0%; Pred. No. 5 2e-84; Mismatches 0; Indels 0; Gaps 0;  
Matches 220; Conservative 0; MisMatches 0; Indels 0; Gaps 0;

QY 56 RTIINKLFLQEEENLDRFLKNEDNVRQLSKDKERDSQVITDTURDTLERN 115  
|||||:|||||:|||||:|||||:|||||:|||||:  
Db 1 RTIINKLFLQEEENLDRFLKNEDNVRQLSKDKERDSQVITDTURDTLERN 60

QY 116 ATVUSLQOALGKAEMLCSTLKKOMYLEQQDETQKQAEAGRLSKMTMEOIELLIQ 175  
|||||:|||||:|||||:|||||:|||||:  
Db 61 ATVUSLQOALGKAEMLCSTLKKOMYLEQQDETQKQAEAGRLSKMTMEOIELLIQ 120

QY 176 OLPEVEEMIRDMGVGQSAVEQLAIVCYSVLSKKEYENLKERKASGEVADKLKDLFSSRSK 235  
|||||:|||||:|||||:|||||:  
Db 121 OLPEVEEMIRDMGVGQSAVEQLAIVCYSVLSKKEYENLKERKASGEVADKLKDLFSSRSK 180

QY 236 LQTVYSELQDQAKLKLQSKDQSADEKIMSLLKLMQ 275  
|||||:|||||:|||||:  
Db 181 LQTVYSELQDQAKLKLQSKDQSADEKIMSLLKLMQ 220

RESULT 5  
US-09-052-089a-4  
Sequence 4, Application US/09052089A  
Patent No. 6346005

SEQUENCE DESCRIPTION: SEQ ID NO: 4:  
US-09-052-089a-4

GENERAL INFORMATION:  
APPLICANT: Lee, Soo Y.  
TITLE OF INVENTION: SIGNAL TRANSDUCER FOR THE TNF RECEPTOR SUPER FAMILY, AND USES THEREOF  
NUMBER OF SEQUENCES: 16

SEQUENCE DESCRIPTION: SEQ ID NO: 4:  
US-09-052-089a-4

GENERAL INFORMATION:  
APPLICANT: Lee, Soo Y.  
TITLE OF INVENTION: SIGNAL TRANSDUCER FOR THE TNF RECEPTOR SUPER FAMILY, AND USES THEREOF  
NUMBER OF SEQUENCES: 16

GENERAL INFORMATION:  
APPLICANT: Lee, Soo Y.  
TITLE OF INVENTION: SIGNAL TRANSDUCER FOR THE TNF RECEPTOR SUPER FAMILY, AND USES THEREOF  
NUMBER OF SEQUENCES: 16

CORRESPONDENCE ADDRESS:  
ADDRESSEE: David A. Jackson, Esq.  
STREET: 411 Hackensack Ave, Continental Plaza, 4th  
FLOOR  
CITY: Hackensack  
STATE: New Jersey  
ZIP: 07601

COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk

CITY: Hackensack  
STATE: New Jersey  
COUNTRY: USA  
ZIP: 07601

CITY: Hackensack  
STATE: New Jersey  
COUNTRY: USA  
ZIP: 07601

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/052,089A  
 FILING DATE: 31-Mar-1998  
 CLASSIFICATION: <Unknown>

ATTORNEY/AGENT INFORMATION:

NAME: Jackson Esq., David A.  
 REGISTRATION NUMBER: 26,742  
 REFERENCE/DOCKET NUMBER: 600-1-198 CIP 1  
 TELECOMMUNICATION INFORMATION:

TELEPHONE: 201-487-5800  
 TELEFAX: 201-343-1604

INFORMATION FOR SEQ ID NO: 4:

SEQUENCE CHARACTERISTICS:

LENGTH: 220 amino acids  
 TYPE: amino acid  
 STRANDEDNESS: single  
 TOPOLOGY: linear  
 MOLECULE TYPE: peptide  
 HYPOTHETICAL: NO  
 FRAGMENT TYPE: internal  
 ORIGINAL SOURCE:

SEQUENCE DESCRIPTION: SEQ ID NO: 4:

US-09-052-089A-4

Query Match 38.0%; Score 906; DB 4; Length 220;  
 Best Local Similarity 86.0%; Pred. No. 2; 8e-70;  
 Matches 185; Conservative 18; Mismatches 12; Indels 0; Gaps 0;

Qy 56 RTITINKLFFDQLAQEEENVNLREFIKNEDVRAQLSQDKERDSQVIIITLDTLEERN 115  
 Db 1 KTIIINKLFFDQLAQEEENVNLREFIKNEDVRAQLSQDKERDSQVIIITLDTLEERN 60

Qy 116 ATIVSILQQLAKAEMCSTKIKOMVLEQDDETKAQAEGRRLRSMKTMQELILQS 175  
 Db 61 ATVESIQNAKNAEMCSTLKKQMKFLEQDDETKQAREHRLCKMKTMQELILQS 120

Qy 176 QLPEVEEMTRDGMVGVSQSAVQLAVCVSLKEYENKEARASGEVADKURKDFSSRK 235  
 Db 121 QRSVEEMIRDMVGVSQSAVQLAVCVSLKEYENKEARAKTGEGLADRLKRDVLSSRK 180

Qy 236 LQTVYSELQDAKLEJKSAQDQLQSAQDAKEMISLKK 270  
 Db 181 LKTLNTELDQAKLELRSQDQLQSAQDAEITSLRK 215

RESULT 6

US-09-052-089A-5

Query Match 11.5%; Score 275; DB 4; Length 51;  
 Best Local Similarity 96.1%; Pred. No. 5; 2e-17;  
 Matches 49; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy 4 RAICLTICSFDFHDSDVAIHCGHFFHQLQISETAPSRTCPQCRIQVG 54  
 Db 1 RAICLTICSFDFHDSDVAAMDCHGFFHQLQISETAPSRTCPQCRIQVG 51

RESULT 7

US-09-052-089A-6

Sequence 6, Application US/09052089A  
 GENERAL INFORMATION:  
 Pattern No. 6346605

APPLICANT: Lee, Soo Y.

TITLE OF INVENTION: SIGNAL TRANSDUCER FOR THE TNF RECEPTOR SUPER FAMILY, AND USES THEREOF

NUMBER OF SEQUENCES: 16

CORRESPONDENCE ADDRESS:

ADDRESSEE: David A. Jackson, Esq.  
 STREET: 411 Hackensack Ave, Continental Plaza, 4th  
 FLOOR  
 CITY: Hackensack  
 STATE: New Jersey  
 COUNTRY: USA  
 ZIP: 07601

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: Patentin Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/052,089A  
 FILING DATE: 31-Mar-1998  
 CLASSIFICATION: <Unknown>

ATTORNEY/AGENT INFORMATION:

NAME: Jackson Esq., David A.  
 REGISTRATION NUMBER: 26,742  
 REFERENCE/DOCKET NUMBER: 600-1-198 CIP 1  
 TELECOMMUNICATION INFORMATION:

TELEPHONE: 201-487-5800  
 TELEFAX: 201-343-1684

INFORMATION FOR SEQ ID NO: 5:

SEQUENCE CHARACTERISTICS:

LENGTH: 51 amino acids  
 TYPE: amino acid

US-09-052-089A-5

Query Match 11.5%; Score 275; DB 4; Length 51;  
 Best Local Similarity 96.1%; Pred. No. 5; 2e-17;  
 Matches 49; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy 4 RAICLTICSFDFHDSDVAIHCGHFFHQLQISETAPSRTCPQCRIQVG 54  
 Db 1 RAICLTICSFDFHDSDVAAMDCHGFFHQLQISETAPSRTCPQCRIQVG 51

RESULT 7

US-09-052-089A-6

Sequence 6, Application US/09052089A  
 GENERAL INFORMATION:  
 Pattern No. 6346605

APPLICANT: Lee, Soo Y.

TITLE OF INVENTION: SIGNAL TRANSDUCER FOR THE TNF RECEPTOR SUPER FAMILY, AND USES THEREOF

NUMBER OF SEQUENCES: 16

CORRESPONDENCE ADDRESS:

ADDRESSEE: David A. Jackson, Esq.  
 STREET: 411 Hackensack Ave, Continental Plaza, 4th  
 FLOOR  
 CITY: Hackensack  
 STATE: New Jersey  
 COUNTRY: USA  
 ZIP: 07601

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: Patentin Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/052,089A  
 FILING DATE: 31-Mar-1998  
 CLASSIFICATION: <Unknown>

ATTORNEY/AGENT INFORMATION:

NAME: Jackson Esq., David A.  
 REGISTRATION NUMBER: 26,742  
 REFERENCE/DOCKET NUMBER: 600-1-198 CIP 1  
 TELECOMMUNICATION INFORMATION:

TELEPHONE: 201-487-5800  
 TELEFAX: 201-343-1684

INFORMATION FOR SEQ ID NO: 6:

SEQUENCE CHARACTERISTICS:

LENGTH: 51 amino acids  
 TYPE: amino acid

US-09-052-089A-4

Query Match 38.0%; Score 906; DB 4; Length 220;  
 Best Local Similarity 86.0%; Pred. No. 2; 8e-70;  
 Matches 185; Conservative 18; Mismatches 12; Indels 0; Gaps 0;

Qy 56 RTITINKLFFDQLAQEEENVNLREFIKNEDVRAQLSQDKERDSQVIIITLDTLEERN 115  
 Db 1 KTIIINKLFFDQLAQEEENVNLREFIKNEDVRAQLSQDKERDSQVIIITLDTLEERN 60

Qy 116 ATIVSILQQLAKAEMCSTKIKOMVLEQDDETKAQAEGRRLRSMKTMQELILQS 175  
 Db 61 ATVESIQNAKNAEMCSTLKKQMKFLEQDDETKQAREHRLCKMKTMQELILQS 120

Qy 176 QLPEVEEMTRDGMVGVSQSAVQLAVCVSLKEYENKEARASGEVADKURKDFSSRK 235  
 Db 121 QRSVEEMIRDMVGVSQSAVQLAVCVSLKEYENKEARAKTGEGLADRLKRDVLSSRK 180

Qy 236 LQTVYSELQDAKLEJKSAQDQLQSAQDAKEMISLKK 270  
 Db 181 LKTLNTELDQAKLELRSQDQLQSAQDAEITSLRK 215

RESULT 6

US-09-052-089A-5

Query Match 11.5%; Score 275; DB 4; Length 51;  
 Best Local Similarity 96.1%; Pred. No. 5; 2e-17;  
 Matches 49; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy 4 RAICLTICSFDFHDSDVAIHCGHFFHQLQISETAPSRTCPQCRIQVG 54  
 Db 1 RAICLTICSFDFHDSDVAAMDCHGFFHQLQISETAPSRTCPQCRIQVG 51

RESULT 7

US-09-052-089A-6

Sequence 6, Application US/09052089A  
 GENERAL INFORMATION:  
 Pattern No. 6346605

APPLICANT: Lee, Soo Y.

TITLE OF INVENTION: SIGNAL TRANSDUCER FOR THE TNF RECEPTOR SUPER FAMILY, AND USES THEREOF

NUMBER OF SEQUENCES: 16

CORRESPONDENCE ADDRESS:

ADDRESSEE: David A. Jackson, Esq.  
 STREET: 411 Hackensack Ave, Continental Plaza, 4th  
 FLOOR  
 CITY: Hackensack  
 STATE: New Jersey  
 COUNTRY: USA  
 ZIP: 07601

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: Patentin Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/052,089A  
 FILING DATE: 31-Mar-1998  
 CLASSIFICATION: <Unknown>

ATTORNEY/AGENT INFORMATION:

NAME: Jackson Esq., David A.  
 REGISTRATION NUMBER: 26,742  
 REFERENCE/DOCKET NUMBER: 600-1-198 CIP 1  
 TELECOMMUNICATION INFORMATION:

TELEPHONE: 201-487-5800  
 TELEFAX: 201-343-1684

INFORMATION FOR SEQ ID NO: 6:

SEQUENCE CHARACTERISTICS:

LENGTH: 51 amino acids  
 TYPE: amino acid



RESULT 10  
US-08-353-700-1  
Sequence 1, Application US/08353700  
PATENT NO. 5599919  
GENERAL INFORMATION:  
APPLICANT: RATTNER, JEROME B.  
APPLICANT: RATTNER, JEROME B.  
TITLE OF INVENTION: NUCLEIC ACID ENCODING A  
TITLE OF INVENTION: TRANSIENTLY-EXPRESSED KINETOCHORE PROTEIN,  
TITLE OF INVENTION: AND METHODS OF USE  
NUMBER OF SEQUENCES: 4  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: DANN, DORFMAN, HERRELL AND SKILLMAN  
CITY: PHILADELPHIA  
STATE: PA  
COUNTRY: USA  
ZIP: 19103-3107  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS DOS  
SOFTWARE: Patentin Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US 08/353,700  
FILING DATE: 09-DEC-1994  
CLASSIFICATION: 435  
ATTORNEY/AGENT INFORMATION:  
NAME: REED, JANET E.  
REGISTRATION NUMBER: 36,252  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (215) 563-4100  
TELEFAX: (215) 563-4044  
INFORMATION FOR SEQ ID NO: 1:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 3248 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
HYPOTHETICAL: NO  
ANTI-SENSE: NO  
ORIGINAL SOURCE:  
US-08-353-700-1

RESULT 11  
PCT-US95-16216-1  
Sequence 1, Application PCT/TU9516216  
GENERAL INFORMATION:  
APPLICANT: Yen, Timothy J.  
APPLICANT: Rattner, Jerome B.  
TITLE OF INVENTION: Nucleic Acid Encoding a Transiently  
NUMBER OF SEQUENCES: 4  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Dann, Dorfman, Herrell and Skillman  
STREET: 1601 Market Street  
CITY: Philadelphia  
STATE: PA  
COUNTRY: USA  
ZIP: 19103-2307  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS DOS  
SOFTWARE: Patentin Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: PCT/US95/16216  
FILING DATE:  
CLASSIFICATION:  
PRIORITY APPLICATION DATA:  
APPLICATION NUMBER: US 08/353,700  
FILING DATE: 09-DEC-1995  
ATTORNEY/AGENT INFORMATION:  
NAME: Reed, Janet E.  
REGISTRATION NUMBER: 36,252  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (215) 563-4100  
TELEFAX: (215) 563-4044  
INFORMATION FOR SEQ ID NO: 1:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 3248 amino acids  
TYPE: amino acid  
STRANDEDNESS: not relevant  
TOPOLOGY: not relevant  
MOLECULE TYPE: protein  
HYPOTHETICAL: NO  
ANTI-SENSE: NO  
PCT-US95-16216-1

Query Match 6.6%; Score 158; DB 1; Length 3248;  
Best Local Similarity 23.2%; Pred. No. 0.00021; Indels 36; Gaps 6;  
Matches 56; Conservative 55; Mismatches 94; Indels 36; Gaps 6;  
Best Local Similarity 23.2%; Pred. No. 0.00021; Indels 36; Gaps 6;  
Matches 56; Conservative 55; Mismatches 94; Indels 36; Gaps 6;  
Qy 74 LDREFLKNELDNVRAQLSQDKDEKRSQVLTDLRDTLEERNATVLSLQALGKA-EMLC 132  
Db 2299 LDLVTLRSEKENLTQIOEKOGQOLSDLDKLSSFKSLLEKEQAEIQIKERSKTAVEMLQ 2358  
Qy 133 STLKKQ-----MKYLEQOD---ETKQAQEAGRLRSMKTMQEIQLLQS 175  
Db 2359 NOLKELNEAVAAALCGDQEIMKATEQSLDPPIEEHQLRNSTEKLARLEADEKKQLCVLQ 2418  
Qy 176 OLPE-----VEMIRDMGVQGSQAVQBLAVCVSLSKEYENKEARKASGEVADK 224  
Db 2419 QKESEHADLKGVRVNERLEIATRQNEHALENKASGEVETIKAKIEGMOSLRG 2478



RESULT 14

US 09-310-187A-1

; Sequence 1, Application US/09310187A

; Patient No. 6358751

; GENERAL INFORMATION:

; APPLICANT: Benichou, Gilles

; APPLICANT: Fedoseyeva, Eugenia

; TITLE OF INVENTION: Involvement of Autoantigens in Cardiac

; TITLE OF INVENTION: Graft Rejection

; FILE REFERENCE: UCF-090

; CURRENT APPLICATION NUMBER: US/09/310,187A

; CURRENT FILING DATE: 1999-05-12

; NUMBER OF SEQ ID NOS: 3

; SOFTWARE: FASTSEQ for Windows version 4.0

; SEQ ID NO 1

; LENGTH: 1939

; TYPE: PRT

; ORGANISM: Homo sapiens

; US-09-310-187A-1

Query Match 6.5%; Score 156; DB 4; Length 1939;

Best Local Similarity 22.1%; Pred. No. 0.00015; Mismatches 75; Conservative 59; Indels 78; Gaps 10;

Matches 75; Conservative 59; Mismatches 127; Indels 78; Gaps 10;

QY 79 LKHNEDNVRQASQDKERDRSDQVITLDRDTEENRATVLSQOAGKAEMCSTUKQ 138

DB 1289 LARQOLEEKEALISQLTRGKLSYTTQMDLKRQLEEGKAKNALAHALQOSARHDCDLLR- 1346

QY 139 MKYLEQODETK-----QAQEENGRLRSKMKT-----MQIELLQLSQLPEV 180

DB 1347 ---EQVEETEAKELQRLVSKANSEAVQWRTKYEDAIQRFELLEAKKLAQRLQDA 1402

QY 181 EEMIRDGVGQSVAEOLAVYCYSLLK-----EYENK--EARKASGEVADKLKDFL 230

DB 1403 EE-----AVEAVNAKCSLEKTKHRQNEIDLMDVVERSNAAAALDKQQRNF 1452

QY 231 SSSRKLOVYSEEDQAKELKAQDKADKEMSKKL-----TMQETNLPP 282

DB 1453 KILAEWKOKYEE--SOSLESSQKEARSLSTELFKLNKNAVYESLEHLETFKRENKLQE 1509

QY 283 VASETVRLVLSLSSPAPYEVNLKRPSPRFDIDLNATFDVDPAPRASSQHGYYKCL 342

DB 1510 EISDLTQLG--EGKKNYHELEKVRKOLEVEKLEQ 1546

QY 343 EWSHSPIDOPVKICKGPRKESQSLGQSCAGEPDEL 381

DB 1547 EEEASLEHEEGKILRQLEFNOQIAEIERKLAKEDEM 1585

RESULT 15

US-08-938-105-3

; Sequence 3, Application US/08938105

; Patent No. 6353151

; GENERAL INFORMATION:

; APPLICANT: Leinwand, Leslie A.

; APPLICANT: Wikstrom, Karen L.

; TIME OF INVENTION: TRANSGENIC MODEL FOR HEART FAILURE

; NUMBER OF SEQUENCES: 3

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Sheridan Ross P.C.

; STREET: 1700 Lincoln St., Suite 3500

; CITY: Denver

; STATE: CO

; COUNTRY: U.S.A.

; ZIP: 80203

; COMPUTER READABLE FORM:

; MEDIUM TYPE: FLOPPY disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: Patentin Release #1.0, Version #1.30

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/938,105

; APPLICATION NUMBER: US-08/938,105

; FILING DATE:

; CLASSIFICATION:

; ATTORNEY/AGENT INFORMATION:

; NAME: CROOK, Wannell M.

; REGISTRATION NUMBER: 31,071

; REFERENCE/DOCKET NUMBER: 3595-4

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (303) 863-9700

; TELEFAX: (303) 863-0223

; INFORMATION FOR SEQ ID NO: 3:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 1886 amino acids

; TYPE: amino acid

; TOPOLOGY: linear

; MOLECULE TYPE: protein

; US-08-938-105-3

Query Match 6.5%; Score 156; DB 4; Length 1886;

Best Local Similarity 20.6%; Pred. No. 0.00021; Mismatches 82; Conservative 78; Mismatches 148; Indels 90; Gaps 13;

Matches 82; Conservative 78; Mismatches 148; Indels 90; Gaps 13;

QY 28 TPHIQCLOSFETAPSRCPOCRIQVKRTI--INKLFDLAQENVID--REFLK 80

DB 1181 TSHMEQIKA-----KANLEKVRSTLDOANEEYRKLEAORSLADFTTORAKLQ 1230

QY 81 NEIDNVRQLQSKD-----KEKRDQSVIIDLRTGLE---RNATVLSQOALGKA 129

DB 1231 TENGELAROLEEKEALIWLQTRGKLSYTOHEDKLQLEEGKAKNALAHALQOSARHDC 1290

QY 130 MLCSTLKRQMKLQEQODETKQAEQEEAGRRLRSKMKT-----MQIELLQLSQLPEV 181

DB 1291 LLREQYEEFEMEAKELQRLVSKANSEAVQWRTKYEDAIQRFELLEAKKLAQRLQDA 1350

QY 182 EIMIRDGVGQSVAEOLAVYCYSLLK-----EYENK--EARKASGEVADKLKDFL 231

DB 1351 E-----AVEAVNAKCSLEKTKHRQNEIDLMDVVERSNAAAALDKQQRNF 1400

QY 232 SRSKLQTVYSEEDQAKELKAQDKADKEMSKKL-----TMQETNLPP 283

DB 1401 ILAEWKOKYEE--SOSLESSQKEARSLSTELFKLNKNAVYESLEHLETFKRENKLQE 1457

QY 284 ASETVRLVLSLSSPAPYEVNLKRPSPRFDIDLNATFDVDPAPRASSQHGYYKCL 343

DB 1458 ISDLTQLG--EGKKNYHELEKVRKOLEVEKLEQ 1494

QY 344 KSHSPIDOPVKICKGPRKESQSLGQSCAGEPDEL 381

DB 1495 EEEASLEHEEGKILRQLEFNOQIAEIERKLAKEDEM 1532

RESULT 16

US-08-466-390-4 Application US/08466390

PATENT NO. 5685562

GENERAL INFORMATION

APPLICANT: TUKALY, GARY

APPLICANT: LIDGARD, GRAHAM P

TITLE OF INVENTION: NOVEL MALIGNANT CELL TYPE MARKERS OF THE

TITLE OF INVENTION: INTERIOR NUCLEAR MATRIX

NUMBER OF SEQUENCES: 6

CORRESPONDENCE ADDRESS:

ADDRESSEE: TESTA, HURWITZ & THIBEAULT

STREET: 125 HIGH STREET

CITY: BOSTON

STATE: MA

COUNTRY: USA

ZIP: 02110

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/466,390

FILING DATE: 06-JUN-1995

CLASSIFICATION: 435

ATTORNEY/AGENT INFORMATION:

NAME: PITCHER ESQ, EDMUND R

REGISTRATION NUMBER: 27,829

REFERENCE/DOCKET NUMBER: MTP-013

TELECOMMUNICATION INFORMATION:

TELEPHONE: (617) 248-7000

TELEFAX: (617) 248-7100

INFORMATION FOR SEQ ID NO: 4:

SEQUENCE CHARACTERISTICS:

LENGTH: 2101 amino acids

TYPE: amino acid

TOPOLOGY: linear

MOLECULE TYPE: protein

US-08-466-390-4

Query Match 6.4%; Score 152; DB 1; Length 2101;

Best Local Similarity 21.0%; Pred. No. 0.0037;

Matches 97; Conservative 72; Mismatches 160; Indels 132; Gaps 19;

Db 1421 RTAQQLRRAKASYAEQSLMKKAHGLLAENRGLGERANLGRQFLEVELDQAREKYYQEL 1480

Qy 94 ----DEKRDQV--TIDTARD-----TEERNATVSLQQLGKAEML 131

Db 1481 AAVRADATRRLAVOREQAESTRELEMTAKYEGAKVYLEERQRQFQVADQQLTAQVEEL 1540

Qy 132 CSTL-----KKQMKYLEQQDETQKQAEAGRLRSKMKTMQEIELLQSQLEPEVEMI 184

Db 1541 SKKLADSDQASKVQQQKIKAVDQGGSESQEAFQFQALNE-----LQALQSOKQ-- 1591

Qy 185 RDGMVGGSAVEQQLAVYCVSLKKYENIKEKARASGE--VADLRKDFFSSRSKLTQVYS 241

Db 1592 -----AAEHYKLQMEKAKTHYDAKKQNOELQEQLRSLEQKENKELRAERLGH 1643

Qy 242 ELDQAKLEKSAKDLSADKEMSLKKLTMQEETNLUPPYASETVDLVIESPANEV 301

Db 1644 ELQOAGLITKEAQTCRILTAQRSLEQVAHADQQL-----RDIGKFQVATDA--- 1692

Qy 302 NLKLRPESFRDDIDLNA-TFDVTPPARPSSQCHGYYEKCLEKSHSPIDQYFKICKGP 360

Qy 1693 -LKSREPOAKPQDLSLSDLSCEEGTPLS-----TISKL--P 1728

Qy 361 RKSQLSLGGQSGAGEPDEELVQAFPIFVNALLGQKPRPSESSC-----SKDV 412

---

RESULT 17

US-08-470-950-4

Sequence 4, Application US/08470950

PATENT NO. 5698439

GENERAL INFORMATION

APPLICANT: TUKALY, GARY

APPLICANT: LIDGARD, GRAHAM P

TITLE OF INVENTION: NOVEL MALIGNANT CELL TYPE MARKERS OF THE

TITLE OF INVENTION: INTERIOR NUCLEAR MATRIX

NUMBER OF SEQUENCES: 6

CORRESPONDENCE ADDRESS:

ADDRESSEE: TESTA, HURWITZ & THIBEAULT

STREET: 125 HIGH STREET

CITY: BOSTON

STATE: MA

COUNTRY: USA

ZIP: 02110

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/470,950

FILING DATE: 06-JUN-1995

CLASSIFICATION: 536

ATTORNEY/AGENT INFORMATION:

NAME: PITCHER ESQ, EDMUND R

REGISTRATION NUMBER: 27,829

REFERENCE/DOCKET NUMBER: MTP-013

TELECOMMUNICATION INFORMATION:

TELEPHONE: (617) 248-7000

TELEFAX: (617) 248-7100

INFORMATION FOR SEQ ID NO: 4:

SEQUENCE CHARACTERISTICS:

LENGTH: 2101 amino acids

TYPE: amino acid

TOPOLOGY: linear

MOLECULE TYPE: protein

US-08-470-950-4

Query Match 6.4%; Score 152; DB 1; Length 2101;

Best Local Similarity 21.0%; Pred. No. 0.0037;

Matches 97; Conservative 72; Mismatches 160; Indels 132; Gaps 19;

Db 1421 RTAQQLRRAKASYAEQSLMKKAHGLLAENRGLGERANLGRQFLEVELDQAREKYYQEL 1480

Qy 94 ----DEKRDQV--TIDTARD-----TEERNATVSLQQLGKAEML 131

Db 1481 AAVRADATRRLAVOREQAESTRELEMTAKYEGAKVYLEERQRQFQVADQQLTAQVEEL 1540

Qy 132 CSTL-----KKQMKYLEQQDETQKQAEAGRLRSKMKTMQEIELLQSQLEPEVEMI 184

Db 1541 SKKLADSDQASKVQQQKIKAVDQGGSESQEAFQFQALNE-----LQALQSOKQ-- 1591

Qy 185 RDGMVGGSAVEQQLAVYCVSLKKYENIKEKARASGE--VADLRKDFFSSRSKLTQVYS 241

Db 1592 -----AAEHYKLQMEKAKTHYDAKKQNOELQEQLRSLEQKENKELRAERLGH 1643

Qy 242 ELDQAKLEKSAKDLSADKEMSLKKLTMQEETNLUPPYASETVDLVIESPANEV 301

Db 1644 ELQOAGLITKEAQTCRILTAQRSLEQVAHADQQL-----RDIGKFQVATDA--- 1692

Qy 302 NLKLRPESFRDDIDLNA-TFDVTPPARPSSQCHGYYEKCLEKSHSPIDQYFKICKGP 360

Qy 1693 -LKSREPOAKPQDLSLSDLSCEEGTPLS-----TISKL--P 1728

Qy 361 RKSQLSLGGQSGAGEPDEELVQAFPIFVNALLGQKPRPSESSC-----SKDV 412

RESULT 18  
US-08-467-781-4  
; Sequence 4, Application US/08467781  
; Patent No. 5780596  
; GENERAL INFORMATION:  
; APPLICANT: LIGARD, GRAHAM P  
; TITLE OF INVENTION: NOVEL MALIGNANT CELL TYPE MARKERS OF THE  
; NUMBER OF SEQUENCES: 6  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: TESTA, HURWITZ & THIBEAULT  
; STREET: 125 HIGH STREET  
; CITY: BOSTON  
; STATE: MA  
; COUNTRY: USA  
; ZIP: 02110  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patentin Release #1.0, version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/467,781  
; FILING DATE: 06-JUN-1995  
; CLASSIFICATION: 424  
; ATTORNEY/AGENT INFORMATION:  
; NAME: PITCHER ESO, EDMUND R  
; REGISTRATION NUMBER: 27,829  
; REFERENCE/DOCKET NUMBER: MTP-013  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (617) 248-7000  
; TELEFAX: (617) 248-7100  
; INFORMATION FOR SEQ ID NO: 4:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 2101 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
; US-08-467-781-4

Query Match 6.4%; Score 152; DB 1; Length 2101;  
Best Local Similarity 21.0%; Pred. No. 0.00037; Mismatches 97; Conservative 72; Indels 132; Gaps 19; Matches 160;

QY 361 RKSQLSQLGGQSCAGEPDEELVCAFPVIRNALGQOKPKRSESSC-----SKDV 412  
Db 1729 RTQPD---GTSVPGEP-----ASPI-----SQRUPPKVESLESLYFTPIPASQAP 1771  
QY 413 VRGFDGIG-----GRKFLOPTDTVMIRPLPVK 441  
Db 1772 LESSLSDSLGDFVLDGKRTSARRRTQININTMTKLDV 1812

RESULT 19  
US-08-195-487-4  
; Sequence 4, Application US/08195487  
; Patent No. 5783403  
; GENERAL INFORMATION:  
; APPLICANT: TUKATLY, GARY  
; APPLICANT: LIGARD, GRAHAM P  
; TITLE OF INVENTION: NOVEL MALIGNANT CELL TYPE MARKERS OF THE  
; NUMBER OF SEQUENCES: 6  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: TESTA, HURWITZ & THIBEAULT  
; STREET: 53 STATE STREET  
; CITY: BOSTON  
; STATE: MA  
; COUNTRY: USA  
; ZIP: 02109  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patentin Release #1.0, version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/195,487  
; FILING DATE: 06-JUN-1995  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US/07/901,701  
; FILING DATE:  
; ATTORNEY/AGENT INFORMATION:  
; NAME: PITCHER ESO, EDMUND R  
; REGISTRATION NUMBER: 27,829  
; REFERENCE/DOCKET NUMBER: MTP-013  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 617/248-7000  
; TELEFAX: 617/248-7100  
; INFORMATION FOR SEQ ID NO: 4:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 2101 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
; US-08-195-487-4

Query Match 6.4%; Score 152; DB 1; Length 2101;  
Best Local Similarity 21.0%; Pred. No. 0.00037; Mismatches 97; Conservative 72; Indels 132; Gaps 19; Matches 160;

QY 302 NLKLRPESFRDDIDLNA-TFDVDTTPARPSSSHGYYVEKLCUJKSHSPIDQPKKCKGP 360  
Db 1592 -----AAEHVKLQMEKKAKTHDANKQONQELQEQLSLQLQKENKELRAEAELGH 1643  
QY 242 ELDOAKLELKSAQKDLSADKEMSLKKLTMQETLNLLPVASETVDRVLVSPARVEV 301  
Db 1644 ELOOAGLKLKEAGTCRHLTAQSVRSLEQVAHQDQL-----RDLGKFOVATDA--- 1692  
QY 302 NLKLRPESFRDDIDLNA-TFDVDTTPARPSSSHGYYVEKLCUJKSHSPIDQPKKCKGP 360  
Db 1693 -LKSREPOAKPQLDLSLSDLSCEEGTLS-----ITSKL---P 1728  
QY 361 RKSQLSQLGGQSCAGEPDEELVCAFPVIRNALGQOKPKRSESSC-----SKDV 412  
Db 1729 RTQPD---GTSVPGEP-----ASPI-----SQRUPPKVESLESLYFTPIPASQAP 1771  
QY 413 VRGFDGIG-----GRKFLOPTDTVMIRPLPVK 441  
Db 1772 LESSLSDSLGDFVLDGKRTSARRRTQININTMTKLDV 1812

RESULT 19  
US-08-195-487-4  
; Sequence 4, Application US/08195487  
; Patent No. 5783403  
; GENERAL INFORMATION:  
; APPLICANT: TUKATLY, GARY  
; APPLICANT: LIGARD, GRAHAM P  
; TITLE OF INVENTION: NOVEL MALIGNANT CELL TYPE MARKERS OF THE  
; NUMBER OF SEQUENCES: 6  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: TESTA, HURWITZ & THIBEAULT  
; STREET: 53 STATE STREET  
; CITY: BOSTON  
; STATE: MA  
; COUNTRY: USA  
; ZIP: 02109  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patentin Release #1.0, version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/195,487  
; FILING DATE: 06-JUN-1995  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US/07/901,701  
; FILING DATE:  
; ATTORNEY/AGENT INFORMATION:  
; NAME: PITCHER ESO, EDMUND R  
; REGISTRATION NUMBER: 27,829  
; REFERENCE/DOCKET NUMBER: MTP-013  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 617/248-7000  
; TELEFAX: 617/248-7100  
; INFORMATION FOR SEQ ID NO: 4:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 2101 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
; US-08-195-487-4

Query Match 6.4%; Score 152; DB 1; Length 2101;  
Best Local Similarity 21.0%; Pred. No. 0.00037; Mismatches 97; Conservative 72; Indels 132; Gaps 19; Matches 160;

QY 44 RTCPQCRIQ---VGKRTIINKLFFDIAQEEENV----LDREFLKNELDNRQLSQK- 93  
Db 1421 RTAQQLRAEKASYAEQLSMLKKAHGLLAENRGLGERANLGRQFLEVLDQAREKVKQEL 1480  
QY 94 -----DEKRDQSV---TIDTLRD-----TLEERNATVSLQOQALGKAEML 131  
Db 1481 AAVRADAEFLRAEVOREQAOSTARELWMTAKEGAKVLEERQFQERQKLAQVEEL 1540  
QY 132 CSTM-----KRMQKYLEQQDDETQKQAEAGRLRSKMKTMQEQILOLQSQPEVEMI 184  
Db 1541 SKKLADSDQASKVQQKQLKAVQQGEGESQEAQRFOQALNE-----LQAOQSKEQ- 1591  
QY 185 RDGMVGOSAVEQIAVYCVSLKKEENIKEARNSGE --VADKLKLDFSSRSKQTVYS 241  
QY 94 -----DEKRDQSV---TIDTLRD-----TLEERNATVSLQOQALGKAEML 131



RESULT 22  
PCT-US3-06160-4  
Sequence 4, Application PC/TUS9306160  
GENERAL INFORMATION:  
APPLICANT: NOVEL MALIGNANT CELL TYPE MARKERS OF THE  
TITLE OF INVENTION: INTERIOR NUCLEAR MATRIX  
NUMBER OF SEQUENCES: 6  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: TESLA HORWITZ & THIBEAULT  
STREET: 53 STATE STREET  
CITY: BOSTON  
STATE: MA  
COUNTRY: USA  
ZIP: 02109  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: PCT/US93/06160  
FILING DATE: 19930621  
CLASSIFICATION:  
ATTORNEY/AGENT INFORMATION:  
NAME: PITCHER ESO, EDMUND R  
REGISTRATION NUMBER: 27, 829  
REFERENCE/DOCKET NUMBER: MTP-013  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 617/248-7000  
TELEFAX: 617/248-7100  
INFORMATION FOR SEQ ID NO: 4:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 2101 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
PCT-US93-06160-4

Query Match 6.4%; Score 152; DB 5; Length 2101;  
Best Local Similarity 21.0%; Pred. No. 0 00037;  
Matches 97; Conservative 72; Mismatches 160; Indels 132; Gaps 19;

Qy 44 RTPCOPCRIQ---VGKRTIINKLFDLQAEENV---LDPREFLKNELDNRQLSQK- 93  
Db 1421 RYAQQLRAEKASYAEQLSMLKKHAGLILAEENRGLGERANLGRFLEVELDQAREKYYQEL 1480  
Qy 94 ---DKEKRDSQV---IIDLRD-----TEBRNATVSLQQLGKAEML 131

RESULT 23  
US-08-095-737-2  
Sequence 2, Application US/08095737  
Patent No. 5487979  
GENERAL INFORMATION:  
APPLICANT: Diflore, Pier P  
TITLE OF INVENTION: A Substrate for the Epidermal Growth Factor Receptor Kinase  
NUMBER OF SEQUENCES: 4  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Knobbe, Martens, Olson & Bear  
STREET: 620 Newport Center Drive, Sixteenth Floor  
CITY: Newport Beach  
STATE: California  
COUNTRY: United States of America  
ZIP: 92660  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/095, 737  
FILING DATE: 19930722  
CLASSIFICATION:  
ATTORNEY/AGENT INFORMATION:  
NAME: Israelson, Ned A  
REGISTRATION NUMBER: 29, 655  
REFERENCE/DOCKET NUMBER: NIH060. 001A  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (619) 235-8850  
TELEFAX: (619) 235-0176  
INFORMATION FOR SEQ ID NO: 2:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 896 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-095-737-2

Query Match 6.2%; Score 149; DB 1; Length 896;  
Best Local Similarity 22.8%; Pred. No. 0 0002;  
Matches 62; Conservative 46; Mismatches 110; Indels 54; Gaps 8;

Db 1481 AAVRADAETRLAEVORAQSTARELEVMTAKYEGAKVVLVEERQRQEEOKLTAOVEL 1540  
Qy 132 C5TL-----KKOMKYLEQODDETQAOAEQAFGRLSKMKMNEQIEULLASOLPVEEEMI 184  
Db 1541 SKKLADSDQASKVQOKKAVQOMQGSESQQEQRQFQOLNE----LQAQLSOKEQ- 1591  
Qy 242 ELDQAKLELKSQKDLOSAKDKIMSLKKLTMQETINLPPVASETVDRLVLESPPAEV 301  
Db 1644 ELQAGIJKTKEAQTCHRLTAQVRSLEAQVAHADQQL----RDLGKFQVATDA--- 1692  
Qy 302 NLKLRPSSFRDDIDLNA-TFDVDTTPARPPSSQHGGYYEKLICLEKSHSPIDQVKKICKGP 360  
Db 1693 -LKSREFOAKPQDLSLSDLSCEEGTPLS-----ITSKL---P 1728  
Qy 361 RKEQLSLGGQSCAGERPDEELVGAFFVNRNAILGQKOPKPRSESSC----SKDV 412  
Db 1729 RYQD----GTSVPGE-----ASPI-----SQRLLPKVSELESLYFTPIPAPRSQAP 1771  
Qy 413 VRTGFDLIG-----GRTKFQOPTVIMRPLPK 441  
Db 1772 LESSLSDSIGDVFLDSGRKTRSARRTQIINITMTKKLDE 1812  
Qy 413 VRTGFDLIG-----GRTKFQOPTVIMRPLPK 441  
Db 1772 LESSLSDSIGDVFLDSGRKTRSARRTQIINITMTKKLDE 1812



Db 334 ELDTINNEKVQDLOREKNNVEQDILKEKEDITKORTSEVQDLODEVORENTNLQQLQAQKQO 393  
 Qy 128 AEMCSTLKKOMKYLEQDQDETQAOQEEAGRLLSKMKMEOQITLQLQQLPEVEEMIRD 187  
 Db 394 VOLELDELDEQKAQLEQOLKEVIRKCAEBAQLSKA---ELTSQE----- 437  
 Qy 188 GVOGOSAVEROLAVCVSLLKKEVENEKEARKASGEVADKIRKDLFSSRSRKLQTVYSELDOAK 247  
 Db 438 -----SOISTYEEELAKAREELSRSQOETABLEE-----SVESGK 472  
 Qy 248 LEIJKSAQDQLQSADEKIMSLKKLKLQMLQETLN 279  
 Db 473 AQLEPLQOHLQDQSQEISSMQMILMEMKDLN 504

RESULT 26  
 PCT-US93-03077-1  
 ; Sequence 1, Application PC/TUS9303077  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Board of Regents, The University of Texas System  
 ; APPLICANT: Gaynor, Richard B.  
 ; APPLICANT: Wu, Ronin Kin  
 ; TITLE OF INVENTION: PROTEIN CELLULAR FACTOR USEFUL FOR  
 ; NUMBER OF SEQUENCES: 7  
 ; CORRESPONDENCE ADDRESS:  
 ; ADDRESSEE: Arnold White & Durkee  
 ; STREET: P. O. Box 4433  
 ; CITY: Houston  
 ; STATE: Texas  
 ; COUNTRY: USA  
 ; ZIP: 77210  
 ; COMPUTER READABLE FORM:  
 ; MEDIUM TYPE: Floppy disk  
 ; COMPUTER: IBM PC compatible  
 ; OPERATING SYSTEM: PC-DOS/MS-DOS  
 ; SOFTWARE: PatentIn Release #1.0, Version #1.25  
 ; CURRENT APPLICATION DATA:  
 ; APPLICATION NUMBER: PCT/US93/03077  
 ; FILING DATE: 19930331  
 ; CLASSIFICATION:  
 ; PRIORITY APPLICATION DATA:  
 ; APPLICATION NUMBER: US/07/862,025  
 ; FILING DATE: APR 12, 1992  
 ; ATTORNEY/AGENT INFORMATION:  
 ; NAME: Kammerer, Patricia A.  
 ; REGISTRATION NUMBER: 29,775  
 ; REFERENCE/DOCKET NUMBER: UTEFD270PCT  
 ; TELECOMMUNICATION INFORMATION:  
 ; TELEPHONE: 713-749-1540  
 ; TELEFAX: 713-749-2679  
 ; TELEX:  
 ; INFORMATION FOR SEQ ID NO: 1:  
 ; SEQUENCE CHARACTERISTICS:  
 ; LENGTH: 1093 amino acids  
 ; TYPE: AMINO ACID  
 ; STRANDEDNESS: unknown  
 ; TOPOLOGY: unknown  
 ; MOLECULE TYPE: protein  
 ; PCT-US93-03077-1

Query Match 6.2%; Score 149; DB 5; Length 1093;  
 Best Local Similarity 21.3%; Pred. No. 0.00026; Mismatches 99; Conservative 88; Indels 122; Gaps 21;  
 Qy 59 INKLFEDLAQEEEN--VLD--REFFLNEDVWRAQSLQKREKRD-SQVQITDLRITLE 112  
 Db 593 LNKVKVELEELQHQLQVLDGKEVEKORENTKLNMSVERQKDGLQLQD--MDELE 650  
 Qy 113 ERNATVSLQQALGKA-----EMLCSTLKKM-----YLEQODET 149  
 Db 651 EKRR--SIQAALDSAYKELTDLHKANAQKSEQAALSREMKAELSALEKAQEEA 707

RESULT 27  
 US-08-687-080-51  
 ; Sequence 51, Application US/08687080  
 ; Patent No. 596427  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Gregory Dolganov  
 ; TITLE OF INVENTION: Human RAD50 Gene and Methods of Use Thereof  
 ; NUMBER OF SEQUENCES: 175  
 ; CORRESPONDENCE ADDRESS:  
 ; ADDRESSEE: Dehlinger & Associates  
 ; STREET: 350 Cambridge Avenue, Suite 250  
 ; CITY: Palo Alto  
 ; STATE: CA  
 ; COUNTRY: USA  
 ; ZIP: 94306  
 ; COMPUTER READABLE FORM:  
 ; MEDIUM TYPE: Floppy disk  
 ; COMPUTER: IBM PC compatible  
 ; OPERATING SYSTEM: PC-DOS/MS-DOS  
 ; SOFTWARE: PatentIn Release #1.0, Version #1.25  
 ; CURRENT APPLICATION DATA:  
 ; APPLICATION NUMBER: US/08/687,080  
 ; FILING DATE: 17-JUL-1996  
 ; CLASSIFICATION: 435  
 ; PRIORITY APPLICATION DATA:  
 ; APPLICATION NUMBER: US 08/592,126  
 ; FILING DATE: 26-JAN-1996  
 ; ATTORNEY/AGENT INFORMATION:  
 ; NAME: Sholtz, Charles K.  
 ; REGISTRATION NUMBER: 38,615  
 ; REFERENCE/DOCKET NUMBER: 4600-0111.30  
 ; TELECOMMUNICATION INFORMATION:  
 ; TELEPHONE: (415) 324-0960  
 ; TELEFAX: (415) 324-0960  
 ; INFORMATION FOR SEQ ID NO: 51:  
 ; SEQUENCE CHARACTERISTICS:  
 ; LENGTH: 1312 amino acids  
 ; TYPE: amino acid  
 ; STRANDEDNESS: single  
 ; TOPOLOGY: linear  
 ; MOLECULE TYPE: protein  
 ; HYPOTHETICAL: NO  
 ; ANTI-SENSE: NO  
 ; ORIGINAL SOURCE:  
 ; INDIVIDUAL ISOLATE: TRANS. OF RAD50 cDNA (SEQ. 54), NT.  
 ; INDIVIDUAL ISOLATE: 389 TO 4324  
 ; US-08-687-080-51

Qy 150 KOAQE---EAGRLLSKMKMEOQITLQLQQLPEVEEMIRD 194  
 Db 708 ROOQETLAIVQGDRLALQRTQAAARKEVDYLHIEGLQRAENRNOELSOSVSST 767  
 Qy 195 EQLAVYCVSLLKKEVENEKEARKASGEVADKIRKDLFSSRSRKLQTVYSELDOAK 254  
 Db 768 TR-----PFLRQENLQRTLGSQTSWKELEKNSDRGLESQSTL-----LAAV 811  
 Qy 255 KDLQASADEKIMSLKKLMLQETLNLPVASEVDRLVLESAPVEMKLRRPSFRDDI 314  
 Db 812 ERRAATEELANKIDQSSM-----ISONSLLRPSFRQAKLESKNRICKLE 860  
 Qy 315 DLNATFDVDTTPARPPSSQHGHYYEKLCKLHSPIQDVKKKICKGPKE---SOLSLG 369  
 Db 861 DENNRYOVE-----LEN---LKDEVRTLEETKETLINSOLEME 898  
 Qy 370 GQSCAGEDEELVGAEPFIVRNAILLGOKOKPRPSSS---CSKDVRVTGEGLGGTKF 426  
 Db 899 RMKVEQERK-----AIFTQETI--KEKERKPSFSVSTPTMSRSSSTSGVDMAGLTSF 950  
 Qy 427 IQPTDT--WMRDLPLVKETK-----VKQVRVKTIVSIFQAKL 463  
 Db 951 LSQDSEHSHFGIMPISAKWKLHYACKDGSRKHINL-0SQL 993



FILING DATE: 05-FEB-1991  
ATTORNEY/AGENT INFORMATION:  
NAME: McGOWAN, Malcolm K.  
REGISTRATION NUMBER: 39,300  
REFERENCE/DOCKET NUMBER: 010830  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (703) 836-5620  
TELEFAX: (703) 836-2021  
INFORMATION FOR SEQ ID NO: 31:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 316 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
PUBLICATION INFORMATION:  
DOCUMENT NUMBER: WO 92/13884  
PUBLICATION DATE: 20-AUG-1992  
US-08-462-625-31

; OTHER INFORMATION: Huntington-interacting protein  
; US-09-085-199B-5

RESULT 30  
JS-09-086-199B-5

Sequence 5, Application US/09085199B  
; Patent No. 6235879

GENERAL INFORMATION:  
APPLICANT: Hayden Michael R.  
APPLICANT: Hackam, Abigail  
APPLICANT: Hug, A. H.M. Mahbubul  
APPLICANT: Chopra, Vikramjit Singh  
APPLICANT: Kalchman, Michael  
TITLE OF INVENTION: Apoptosis Modulators That Interact with the  
TITLE OF INVENTION: Huntington's Disease Gene

NUMBER OF SEQUENCES: 44  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: OPPEDAHL & LARSON  
STREET: PO BOX 5270  
CITY: FRISCO  
STATE: CO  
COUNTRY: USA  
ZIP: 80443-5270  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette, 3.50 inch, 1.44 Kb storage  
COMPUTER: IBM Compatible  
OPERATING SYSTEM: MS DOS 5.0  
SOFTWARE: WordPerfect  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: 115/00/005 1000

FILING DATE: \_\_\_\_\_  
CLASSIFICATION: \_\_\_\_\_  
ATTORNEY/AGENT INFORMATION: \_\_\_\_\_

RESULT 31  
US-08-592-126-148  
Sequence 148, Application US/08592126  
Patent No. 5821091  
GENERAL INFORMATION:  
APPLICANT: Gregory Dolganov  
TITLE OF INVENTION: Transcripts Encoding Immunomodulatory  
TITLE OF INVENTION: Polypeptides  
NUMBER OF SEQUENCES: 151  
CORRESPONDENCE ADDRESS:  
STREET: 350 Cambridge Avenue, Suite 250  
CITY: Palo Alto  
STATE: CA  
COUNTRY: USA  
ZIP: 94306  
COMPUTER READABLE FORM:  
MEDIUM TYPE: FLOPPY disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/592,126  
FILING DATE:  
DECLARATION: 4/26

ATTORNEY/AGENT INFORMATION:  
 NAME: Sholtz, Charles K.  
 REGISTRATION NUMBER: 38 615  
 REFERENCE/DOCKET NUMBER: 4500-0111  
 TELECOMMUNICATION INFORMATION:  
 TELEFAX: (415) 324-0960  
 INFORMATION FOR SEQ ID NO: 148:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 1312 amino acids  
 TYPE: amino acid  
 TOPOLOGY: linear  
 MOLECULE TYPE: protein  
 HYPOTHETICAL: no  
 ORIGINAL SOURCE:  
 INDIVIDUAL ISOLATE: Rad50.pro-translation of SEQ ID NO:54  
 US-08-592-126-148

Query Match 6.2%; Score 147.5; DB 2; Length 1312;  
 Best Local Similarity 22.2%; Pred. No. 0.0046; Mismatches 98; Indels 149; Gaps 22;  
 Matches 98; Conservative 69; Mismatches 126; Indels 149; Gaps 22;

QY 52 QVKRKTINKLFFDLAQEE-----ENVLDR-----EFU-----KNELDNVRAQ 89  
 404 QEGEAKTANOLMDFAEKETLKQKQIDEIRDKKTLGRIELKSEILSKKONEKAVYE 463

QY 90 LSG-----KDKERKRSQYIIDTURD-TLEERNAT-----YVSLQDLAGKEM----- 130  
 464 LQOLEGSSDRILDEOELIKASELRAEKSUNVETLKMVEVSLQNB-KADLRTURKL 521

QY 131 -----LCSTL-----KKQMK-YLE 143  
 522 DQBMELNHHHTTTRQEMEMLTKDKDREQIRKIKSRHSDELTSLUGYFPNKKQLEDWLH 581

QY 144 QDQDETOQAQEEAGRGLRSKMKTMIEQIELLQSQSLPVEEMIRDMGVQOSAVEQOLAVCVS 203  
 582 SKSKEINOTRDKLAKLNLKELASSEQNKHNINELKREQL-----SSYEDKLFDVCGS 635

QY 204 -----LKKYE--ILKEARKRASG-----EVADK-----LRKDLFSSRSKQ 237  
 636 QDEPESDILRKIEKEKSQKRAMLAGTAVSQFVQIOTDNEQSCCVCQRYFOTABLO 695

QY 238 TVYSELQDQAKLELSQAKDQADKETMSLKKLTMQETLNQPPVASETUDRLVLES 297  
 696 EVISDL-OSKRLU--APDKLKSSE--LKKREKRDEMUGLWPMQSIIDLKESIP- 748

QY 298 PVEVNLKURRPS-----FRDDIDLNTFVDVDTIPARPDSSQSOHGYYERKLCL-----EKSH 346  
 749 --EFLRNKLQVNVRDIQRLKNDIEQEFLGTIMPEESA-----KVCLTDVTIMERFQ 799

QY 347 SPIQDVKRICKGPKRSQSL 368  
 800 MEIKDVERKIAQQAQKQGIDL 821

Db 474 ELQDTQLEKLASTEESM 489

RESULT 32  
 US-09-085-199B-4  
 Sequence 4 Application US/09085199B  
 Patient No. 6235879

GENERAL INFORMATION:  
 APPLICANT: Hayden, Michael R.  
 APPLICANT: Hackam, Abigail  
 APPLICANT: Huq, A.H.M. Mahbubul  
 APPLICANT: Chopra, Vikramit Singh  
 APPLICANT: Kalchman, Michael  
 TITLE OF INVENTION: Apoptosis Modulators That Interact with the  
 NUMBER OF SEQUENCES: 44  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: Oppedahl & Larson  
 STREET: PO Box 5270  
 CITY: Frisco

STATE: CO  
 COUNTRY: USA  
 ZIP: 8043-55270  
 COMPUTER READABLE FORM:  
 COMPUTER: IBM Diskette, 3.50 inch, 1.44 Kb storage  
 MEDIUM TYPE: Diskette  
 COMPUTER: IBM Compatible  
 OPERATING SYSTEM: MS DOS 5.0  
 SOFTWARE: WORPERFECT  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/09/085,199B  
 FILING DATE:  
 CLASSIFICATION:  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Larson, Marita T.  
 REGISTRATION NUMBER: 33038  
 REFERENCE/DOCKET NUMBER: UBC.P-013052  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (970) 668-2050  
 TELEFAX: (970) 668-2052  
 INFORMATION FOR SEQ ID NO: 4:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 914  
 TYPE: amino acid  
 TOPOLOGY: linear  
 MOLECULE TYPE: protein  
 HYPOTHETICAL: no  
 ORIGINAL SOURCE:  
 ORGANISM: human  
 FEATURE: Huntington-interacting protein  
 US-09-085-199B-4

Query Match 6.1%; Score 146.5; DB 4; Length 914;  
 Best Local Similarity 21.1%; Pred. No. 0.0033; Mismatches 54; Indels 54; Gaps 8;  
 Matches 54; Conservative 63; Mismatches 92; Indels 47; Gaps 8;

QY 59 INKLFELQAEENVLDREFLKLNLNVRQDLSQKKEKRSQVQDTRTLEERNATV 118  
 245 VNK-----DEKDHLLR--LYRETSIGKAO--ENMKTESQRVYLQKGVSELEAD 293

QY 119 VSLQQALGKAMCSTQKMYLEQOQDTEKQAEAGRLRSKMTMEDIQELLIQSL 178  
 294 ARQQLHRLQQAADCEFLRDELRRQREDEKAQNSLERKQANEQYRSKLUK 353

QY 179 EV----EMTRDMGVQOSAVEQOLAVCVSLLKEYENKEA-----IRKASG--EVAD 223  
 354 ELVONHADLRLKNAEVTKQVSMAQAOVQDLEERKELEDSLERISDQGORKTQEQL 413

QY 224 KURKDLFSSRSKQTV-----YSELQDQAKLELSA---QKDQASD 262  
 414 SLKQELGTSQRELQVLOGSLETSAQSEBANAAEFALEKERDSLVLSGAANREELS 473

QY 263 EIMSLKKLTMQETL 28  
 474 ELQDTQLEKLASTEESM 489

RESULT 33  
 US-09-085-199B-11  
 Sequence 11 Application US/09085199B  
 Patient No. 6235879

GENERAL INFORMATION:  
 APPLICANT: Hayden, Michael R.  
 APPLICANT: Hackam, Abigail  
 APPLICANT: Huq, A.H.M. Mahbubul  
 APPLICANT: Chopra, Vikramit Singh  
 APPLICANT: Kalchman, Michael  
 TITLE OF INVENTION: Apoptosis Modulators That Interact with the  
 NUMBER OF SEQUENCES: 44  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: Oppedahl & Larson  
 STREET: PO Box 5270

CITY: Frisco  
 STATE: CO  
 COUNTRY: USA  
 ZIP: 80443-5270  
 COMPUTER READABLE FORM: 3 50 inch, 1.44 Kb storage  
 MEDIUM TYPE: Diskette  
 COMPUTER: IBM compatible  
 OPERATING SYSTEM: MS DOS 5.0  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/09/085,199B  
 FILING DATE:  
 CLASSIFICATION:  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Larson, Marina T.  
 REGISTRATION NUMBER: 320318  
 REFERENCE/DOCKET NUMBER: UBC-P-013052  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (970) 668-2050  
 TELEFAX: (970) 668-2052  
 INFORMATION FOR SEQ ID NO: 11:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 1068  
 TYPE: amino acid  
 TOPOLOGY: linear  
 MOLECULE TYPE: protein  
 HYPOTHETICAL: no  
 ORIGINAL SOURCE:  
 ORGANISM: mouse  
 FEATURE:  
 OTHER INFORMATION: Huntington-interacting protein -mHippa  
 US-09-085-199B-11

Query Match 6.1%; Score 146; DB 4; Length 1068;  
 Best Local Similarity 21.8%; Pred. No. 0.00046;  
 Matches 113; conservative 84; Mismatches 187; Indels 134; Gaps 23;  
 QY 30 HIQCLQISFETADSRTCPQCRIQV-----GKTTINLKFLFDL-----AQEEENVLDRE 77  
 Db 298 HIKPVVWVPEEAREEERENLIEISSAPPAGERVVVADLFQDTFGPPNGSMKDRLQIE 357  
 QY 78 FLKNELDNVAQASOKDKEKRSQVQDITLRL-----TLBERRATVSLQOALGKAM 130  
 Db 358 NLKREVETLRAEL--EKIMEAQRYISQLKGQVNGLEAELEERK--OKALVNEQ 411

131 ECTIHKKQMKYIQLQQDTKQKQEEAGR-----LRSKMK 164  
 Db 412 LRHBL-AOKLAQOLLEGARNQGLRREAERKASAATARYSKLKHKSELINTHAEILLRNAD 470

QY 165 TMEQIELLQLSQIPEVEEMIRDMGVGQSAVEQLAVCVSLKKEYENILKEARKASGEVADK 224  
 Db 471 TAKQLTIVQOSO-----BEVAR-----VKEQALFQMEQAKKRESEMKMEEQ----SPOLEK 516

QY 225 LRDLFSSRSKL---QTVYSELQDQAKELKSKQKDQASADKIMS- LKKKLMQBLTN 279  
 Db 517 LKRELAARAGELARAQALSLRSRTEQSGSEL-SSRDTLNAAKEALSGVVRAREL---- 570

Qy 280 LPPVASEVRDVLVLESAPAVENLKLRRPSFDIDINATEDVDTPIARPSSQHGYEK 339  
 Db 571 --LAAQSLVREEREEALSQEDRSQKRGELRQQL-----AEKESOEOILRQK 615

QY 34 LCIE-----KSHSPIDQVPKICKGPRKESQISLGGSCAGEPDEELVGAFFIV 389  
 Db 616 LDEQAVLRSAAEABAILQDASVKL-----DDPLHL---RCTSSPDYLVSRAQAL- 665

QY 390 RWAIGLQOKPR--PRSESSCKDVKVTGFL-----GGRTKFIOPTDTV----- 433  
 Db 666 -DSVSGLBOQHTQYLAESDASALVALTREFSLHAADTIVNGATSHLAPIDPADLMDT 724

Qy 434 --MIRPLPVKPKTKVQVRVKTIVSFLQAKLDFL 467  
 Db 725 CRBCCGARALELVGQLOQ-DOTVLRLRAQPSLMLRAFLPLOGIL 761

RESULT 34  
 US-08-600-982-24  
 Sequence 24, Application US/08600982  
 ; Patent No. 610991  
 GENERAL INFORMATION:  
 APPLICANT: Carter, William G.  
 APPLICANT: Gil, Susanna A.  
 APPLICANT: Ryan, Maureen C.  
 TITLE OF INVENTION: Epiligrin, an Epithelial Ligand for  
 TIME OF INVENTION: Integrins  
 NUMBER OF SEQUENCES: 30  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: Christensen, O'Connor, Johnson, and Kindness  
 STREET: 1420 Fifth Avenue  
 CITY: Seattle  
 STATE: WA  
 COUNTRY: USA  
 ZIP: 98101-8100  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: Patentin Release #1.0, Version #1.25  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/600,982  
 FILING DATE: 02 SEP 1994  
 CLASSIFICATION: 435

ATTORNEY/AGENT INFORMATION:  
 NAME: Shelton, Dennis K.  
 REGISTRATION NUMBER: 26,997  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (206) 224-0779  
 TELEFAX: (206) 682-8100

INFORMATION FOR SEQ ID NO: 24:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 1713 amino acids  
 TYPE: amino acid  
 TOPOLOGY: linear  
 MOLECULE TYPE: protein  
 DESCRIPTION: 1713 protein as translated from sequence  
 DESCRIPTION: of FIGURES 15A-15F, and as shown also in FIGURES  
 DESCRIPTION: 19A-19R  
 US-08-600-982-24

Query Match 6.1%; Score 145.5; DB 3; Length 1713;  
 Best Local Similarity 20.7%; Pred. No. 0.00059;  
 Matches 85; Conservative 55; Mismatches 116; Indels 155; Gaps 17;  
 QY 34 LIOSFETAPSRTCPOCR-----LQVGRITINLKFLFDL-----E 69  
 Db 278 LNEQEFERLQEQAKVQNSRKAQTLNNNNRATOSAKEDLVKVNVRHILKQISGTDG 337  
 QY 70 EENVLREF-----LKNELDNYRAQLSOKDKERKDSQVII----- 104  
 Db 338 GNNVPSGDFREWEAQORMMRBLNR--NFGKHLRERAEAKRRESQQLNIRTWQTHQG 395

QY 105 -----DTLRLTEERNATV-----VSLQQLGKA-----EMLCSTLKKQYLED 144  
 Db 396 ENGLANSIRDSLINEYEAQLSLRRLQEAQAKOANGLQNOENERALGAIQROWEINS 455

QY 145 -QDDETR-----QADEEAGRKSKMKTMEDELLQOSOLPVEEMIRDM--GVGQ 191  
 Db 456 LQSDFTYLTWADSSLQQTALQIMEKSKYEEKAASNEAROELSDVRELSRAGK 515

QY 192 -SAVEQLAVCVSLK-----EYENLKEARKASGEVADK 224  
 Db 516 TSLVEEAKHRSQQLAKOLEEIKRNAQDSELVRCAVDADATAYENILNAKAADAANR 575

QY 225 LRKDFFSSRSKLQTVSE-----LDQAKIELSKQKDQASADKIMS 268

```

RESULT 35
PCT-US94-10261A-24
Sequence 24, Application PC/rus9410261A
GENERAL INFORMATION:
APPLICANT: Carter, William G.
APPLICANT: Gil, Susanna A.
APPLICANT: Ryan, Maureen C.
TITLE OF INVENTION: Epiligrin, an Epithelial Ligand for
TITLE OF INVENTION: Integrins
NUMBER OF SEQUENCES: 30
CORRESPONDENCE ADDRESS:
ADDRESSEE: Christensen, O'Connor, Johnson, and Kindness
STREET: 1420 Fifth Avenue
CITY: Seattle
STATE: WA
COUNTRY: USA
ZIP: 98101-8100
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT-US94/10261A
FILING DATE: 02-SEP-1994
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Shelton, Dennis K.
REGISTRATION NUMBER: 26,997
TELECOMMUNICATION INFORMATION:
TELEPHONE: (206) 602-8100
TELEFAX: (206) 224-0779
INFORMATION FOR SEO ID NO: 24:
SEQUENCE CHARACTERISTICS:
LENGTH: 1713 amino acids
TYPE: amino acid
TOPOLOGY: Linear
MOLECULE TYPE: protein
DESCRIPTION: E170 protein as translated from sequence of
DESCRIPTION: FIGURES 15A-15F, and as shown also in FIGURES 19A-19R
PCT-US94-10261A-24

Query Match          6.1%; Score 145.5; DB 5; Length 1713;
Best Local Similarity 20.7%; Pred. No. 0.00099; Gaps
Matches 85; Conservative 55; Mismatches 116; Indels 155; Gaps
Qy  34 LIQSFETARRSRICPQCRR-----IOYGKRRIINKLFFDIAQ-----E 69
Db 278 LQFEGFTLQEAQVNSRKAQTLNNNNVARATOSAKELYKIVKAVRNHLQKISGNDGE 337
Qy  70 EENVLDRF-----LKNELDNVRAQLSQSKDQKDKKEDRQSVIT----- 104
Db 338 GNNVPGSDFSERENEAORMMRELRNR - NGKMLREADEADKRESQQLINRITWQKTHQ 395
Qy  105 -----DTIRDTELERNATV-----VSLOQALGKA-----EMCSTLKKQMKYLEQ 144
Db 396 ENGLANSRDSLNEYEAQKSLDLRARIQEAQAKOQANGLQENERALGATORQVKINS 455
Qy  145 -QDET-----QPAQEENGRLRSKMKVMEQIELLQSQLOPVEEMIRDW - GVGQ 191
Db 456 LQSDFTKYLTTADSSLQNTIALQLOMKEQSKEVKAASLINEARQELSDKVKELRSAGK 515
Qy  192 -SAVEQLVAYCVSLK-----EYENIKERAKRASGEVADK 224
Db 516 TSLVEEAEKHARSHQELAKQLEEKRNAGSDELVCAVADDAATAYNINAQKAEDANR 575

```

COUNTRY: USA  
ZIP: 77210  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: PCT-US93/03077  
FILING DATE: 19930331  
CLASSIFICATION:  
PRIORITY APPLICATION DATA:  
APPLICATION NUMBER: US/07/862,025  
FILING DATE: April 2, 1992  
ATTORNEY/AGENT INFORMATION:  
NAME: Kammerer, Patricia A.  
REGISTRATION NUMBER: 29,775  
REFERENCE/DOCKET NUMBER: UTEFD270PCT  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 713-787-1540  
TELEFAX: 713-749-2679  
TELEX:  
INFORMATION FOR SEQ ID NO: 3:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 414 amino acids  
TYPE: AMINO ACID  
STRANDEDNESS: unknown  
TOPOLOGY: unknown  
MOLECULE TYPE: peptide  
PCT-US93-03077-3

Query Match 6.0%; Score 144; DB 5; Length 414;  
Best Local Similarity 23.8%; Pred. No. 0.00018; Mismatches 60; Conservative 47; Indels 68; Gaps 10; Matches 60; Conservative 47; Mismatches 77; Indels 68; Gaps 10;

QY 66 LAGBEEVNLDRRETLKNEEDNVRQLSKDKEKDSQVITDTRDTL--EENATVLSQ 122  
Db 5 LSRVEDVCKTVERFLNEKLEKREAOQLLSKESKEALLEAEDNLRDEMFVKEESSSLSK 64

Qy 123 -----QALGIAEMLC--SILKOMKYLE-----QDETKQAE 155  
Db 65 DEFTORIAEAEKKVOLACKERDAKKEETKNIKEKELATRLNSSETTADLKEKEBQIRGME 124

Qy 156 AG-----RURSKKTMQEOIELLI-QSOLPEVEENIRDMGV--GOSAVEOL 197  
Db 125 EGKLSKQQLHNSNIKKLRAKKEKENENWAKLKKYKELEFLQHQLQVDEKEEE- 182

Qy 198 AVYCVSLKKEYEMLKEARKASGEGVADKURKDFSSRSKLOTYVSELQDKEIKAQKDL 257  
Db 183 -----KOHRENKKL---NSMVEROEDKL---GRLQVDMDELEKN--RS10AAL 224

Qy 258 QSDKEIMNSIK 269  
Db 225 DSAVKELHDLHK 236

Query Match 6.0%; Score 142.5; DB 2; Length 816;  
Best Local Similarity 22.6%; Pred. No. 0.00063; Mismatches 76; Conservative 76; Indels 41; Gaps 15; Matches 76; Conservative 76; Mismatches 144; Indels 41; Gaps 15;

Qy 61 KLFDFLAQEEENVYL-REFLKNELD--NVRQLSKDKEKRSQVITDTRDTL--EENATVLSQ 122  
Db 183 KLAQDVAVSLSQDQDQELQETRQKLNVSTKLROLEEERNLSQ--DQDDEEMAKON 239

Qy 113 -ERNATVLSQDQALGKADM-LCSTL-----KKOMKYLEQDQETKQAOQEBAGR 159  
Db 240 LERHISTINQIOLSDSKKKLQDFASTVLEAECKKRFQOKETENLTOQYEEKAAYDKLEKT 299

Qy 160 RSKMTKTMQEOIELLI-QSOLPEVEEMIRDMGVQGOSAVEOLAVICVSLKKEYENLKEARKASG 219  
Db 300 KURLO-QELDDLVV--DLDNQRQLQVLSMLEKQKRFQDOLLAEKNLSSKYAD--ERDRAEA 354

Qy 220 EVADKLRLDFSSRSKLOTYVVS--ELDOAKLLEKLSAQKDQSA---DKEIMSLKKLTM 273  
Db 355 EAREKETKALSLARALEEALKEEELRTKMLKAEMEDLYVSSKKDDVGKVNEHELEKSRA 414

Qy 274 LQETL-NUPPVASETVDRLVLESPAP--VENVKLRLRSPFSDIDINATEYDTPPARS 330  
Db 415 LETOOMEEMKTTOLEELEDQELAOSADEAKLRLVEYNQALQF--ERDLOQARDEQNEERRQL 472

Qy 331 SSQ-HGYEYKLCLEKSHSPIDQVPKKICKGRKESQ 366  
Db 473 QRLHEYETELEDERNERALAAAKKKLEGDBLKDLE 509

RESULT 38  
US-08-33-306A-6  
; Sequence 6, Application US/08533306A  
; Patent No. 5837457  
; GENERAL INFORMATION:  
; APPLICANT: Liu, Pu  
; APPLICANT: Collins, Francis S.  
; APPLICANT: Sciliano, Michael J.  
; APPLICANT: Claxton, David  
; TITLE OF INVENTION: Markers for Detection of Chromosome 16  
; NUMBER OF SEQUENCES: 14  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Harness, Dickey & Pierce, P.L.C.  
; STREET: P.O. Box 828  
; CITY: Bloomfield Hills

STATE: MI  
COUNTRY: USA  
ZIP: 48303  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/533,306A  
FILING DATE: September 25, 1995  
CLASSIFICATION:  
PRIORITY APPLICATION DATA:  
APPLICATION NUMBER: US/07/862,025  
FILING DATE: April 2, 1992  
ATTORNEY/AGENT INFORMATION:  
NAME: Smith, Deann F.  
REGISTRATION NUMBER: 36683  
REFERENCE/DOCKET NUMBER: 2115-00869COB  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (810) 641-1600  
TELEFAX: (810) 641-0270  
INFORMATION FOR SEQ ID NO: 6:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 816 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-533-306A-6

Query Match 6.0%; Score 142.5; DB 2; Length 816;  
Best Local Similarity 22.6%; Pred. No. 0.00063; Mismatches 76; Conservative 76; Indels 41; Gaps 15; Matches 76; Conservative 76; Mismatches 144; Indels 41; Gaps 15;

Qy 61 KLFDFLAQEEENVYL-REFLKNELD--NVRQLSKDKEKRSQVITDTRDTL--EENATVLSQ 122  
Db 183 KLAQDVAVSLSQDQDQELQETRQKLNVSTKLROLEEERNLSQ--DQDDEEMAKON 239

Qy 113 -ERNATVLSQDQALGKADM-LCSTL-----KKOMKYLEQDQETKQAOQEBAGR 159  
Db 240 LERHISTINQIOLSDSKKKLQDFASTVLEAECKKRFQOKETENLTOQYEEKAAYDKLEKT 299

Qy 160 RSKMTKTMQEOIELLI-QSOLPEVEEMIRDMGVQGOSAVEOLAVICVSLKKEYENLKEARKASG 219  
Db 300 KURLO-QELDDLVV--DLDNQRQLQVLSMLEKQKRFQDOLLAEKNLSSKYAD--ERDRAEA 354

Qy 220 EVADKLRLDFSSRSKLOTYVVS--ELDOAKLLEKLSAQKDQSA---DKEIMSLKKLTM 273  
Db 355 EAREKETKALSLARALEEALKEEELRTKMLKAEMEDLYVSSKKDDVGKVNEHELEKSRA 414

Qy 274 LQETL-NUPPVASETVDRLVLESPAP--VENVKLRLRSPFSDIDINATEYDTPPARS 330  
Db 415 LETOOMEEMKTTOLEELEDQELAOSADEAKLRLVEYNQALQF--ERDLOQARDEQNEERRQL 472

Qy 331 SSQ-HGYEYKLCLEKSHSPIDQVPKKICKGRKESQ 366  
Db 473 QRLHEYETELEDERNRALAAAKKKLEGDBLKDLE 509

RESULT 39  
US-08-742-923A-6  
; Sequence 6, Application US/08742923A  
; Patent No. 5869611  
; GENERAL INFORMATION:  
; APPLICANT: Liu, Pu  
; APPLICANT: Collins, Francis S.  
; APPLICANT: Sciliano, Michael J.  
; APPLICANT: Claxton, David  
; TITLE OF INVENTION: Markers for Detection of Chromosome 16  
; NUMBER OF SEQUENCES: 14  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Harness, Dickey & Pierce, P.L.C.  
; STREET: P.O. Box 828  
; CITY: Bloomfield Hills

STATE: MI  
 COUNTRY: USA  
 ZIP: 48303  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: PatentIn Release #1.0, Version #1.25  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US08/742,923A  
 FILING DATE: NO. 586961;ember 1, 1996  
 CLASSIFICATION: 435  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Smith, Deann F.  
 REGISTRATION NUMBER: 36683  
 REFERENCE/DOCKET NUMBER: 2115-00869DVC  
 TELECOMMUNICATION INFORMATION:  
 TELEFAX: (810) 641-1600  
 INFORMATION FOR SEQ ID NO: 6:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 816 amino acids  
 TYPE: amino acid  
 TOPOLOGY: linear  
 MOLECULE TYPE: protein  
 US-08-742-923A-6

Query Match 6.0% Score 142.5; DB 2;  
 Best Local Similarity 22.68%; Pred. No. 0.00053;  
 Matches 76; Conservative 76; Mismatches 144;  
 QY 61 KLFEDLAQEEENVLD-REFLKNELD--NVRQLSQDKKEKRDQ  
 ||| ||| : | : | : | : | : | : | : | : | : | : | : | : |  
 Db 183 KLAQDVASSLSSOLODQTOELQETRQKLNVNPKLROEFLERNLQ  
 QY 113 -ERNATVVSQI-QALGKAEI- -LCSTL-----KKQMKLIEQ  
 ||| : : : : | : | : | : | : | : | : | : | : | : | : | : |  
 Db 240 LERHISTNLQNLDSKKLQLEFASTIVEALEGGKKRQPKELENITQ  
 QY 160 RSKMKTMDQELLQSQLOPVEEMTRQMGVSQSAVEQDADVYCVSL  
 ||| : : : | : | : | : | : | : | : | : | : | : | : | : | : |  
 Db 300 KNRIQ-QELDLVV--DLDNQRQLVSNLKKQRFQDLDLAEKKNII  
 QY 220 EVADKLKRQDFLSSRSKIQTVVS--ELDQAKLELSAQOKDQSA--  
 ||| : | : | : | : | : | : | : | : | : | : | : | : | : | : |  
 Db 355 EAREKETKALSLARALEEALAKEEELERTNPKLNAEEDLWVSKKD  
 QY 274 LQETI-NLPPVASETVDRLVIESPAB--VEYNKLRRFSFRDID  
 ||| : | : | : | : | : | : | : | : | : | : | : | : | : | : |  
 Db 415 LETQMEEMKIQLEELDQASEDAKLRLEVNMQALKQF--ERD  
 QY 331 SSQ-HGYYKICLKEKSHPICDVPKKICGPRKESOL 366  
 ||| : | : | : | : | : | : | : | : | : | : | : | : | : | : |  
 Db 473 QRLQHIEYETELEDNERMERRALAAKKKKLEGDIKDEL 509

RESULT 40  
 US-08-533-306A-4  
 Sequence 4, Application US/08533306A  
 Patent No. 5837457  
 GENERAL INFORMATION:  
 APPLICANT: Liu, Pu  
 APPLICANT: Collins, Francis S.  
 APPLICANT: Siciliano, Michael J.  
 APPLICANT: Clixton, David  
 TITLE OF INVENTION: Markers for Detection of Chromosome Rearrangements  
 TITLE OF INVENTION: Rearrangements  
 NUMBER OF SEQUENCES: 14  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: Harness, Dickey & Pierce, P.L.C.  
 STREET: P.O. Box 828  
 CITY: Bloomfield Hills

STATE: MI  
 COUNTRY: USA  
 ZIP: 48303  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: PatentIn Release #1.0, Version #1.25  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/533,306A  
 FILING DATE: September 25, 1995  
 CLASSIFICATION: 435  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Smith, DeAnn F.  
 RISISTRATION NUMBER: 36683  
 REFERENCE/DOCKET NUMBER: 2115-00869COB  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (810) 641-1600  
 TELEFAX: (810) 641-0270  
 INFORMATION FOR SEQ ID NO: 4:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 885 amino acids  
 TYPE: amino acid  
 TOPOLOGY: linear  
 MOLECULE TYPE: protein  
 US-08/533-306A-4

Query Match 6.0%; Score 142.5; DB 2; Length 885;  
 Best Local Similarity 22.6%; Pred. No. 0.0007; Gaps 15;  
 Matches 76; Conservative 76; Mismatches 144; Indels 41; Gaps 15;

Qy 61 KLFDFLQAQEEENVLD-REELKNEID--NVRALQSQDKKEKKRQDSQVITDRLTDE--- 112  
 Db 252 KLAQDVAASSLSSQLODQTOELQEEETRQKLNVNLSKLRLQFEEERNLSL---DOLDEEMEAON 308

Qy 113 -ERNATVVSISQQAIGKAEM--LGSTL-----KKQMKVLEQQQDETQQAEEFAGR 159  
 Db 309 LERHISTLVIQLSDSKKKQDFASTVEALEEGKKRFOKEIENITQKEEAAAYDLEK 368

Qy 160 RSKMKTMEQIELLIQSQFPEVERMIRDKGVGGSAVEDLAVVYCVSLKKEYENLKEARKASS 219  
 Db 369 KNRIQ-QEEDLWV--DQINQRLQVSNLKEKKRQKFQDQLLAEENKEKNISSKYAD--ERDRAEA 423

Qy 220 EVADKLRLKFSSRSKQLQTVIS--ELDOAKLELKSQAKDQSA---DKEIMSLKKKLTM 273  
 Db 424 EAREKETKALSLARALEALEKEARELEKELTUNKMLKAEMEDLVSSKDVGKVNHELERSKA 483

Qy 274 LQETL-NLPVPASETVDRUVLESRAP--WEVNKLRRPSFRDDIDNATPDVDTPPARPS 330  
 Db 484 LETQMEEMKTOLEELEDQASEDAKLRLLEVNNQALKGQF--ERDLOADDEENEEKKRQL 541

Qy 331 SSQ-HGYYVKEIQLKSHSITQDVPKKICKGPRRSQ 366  
 Db 542 QROQHEYETELEDERNERALAAAKKLGDLKDEL 578

